



UNITED STATES DEPARTMENT OF AGRICULTURE  
NATIONAL AGRICULTURAL STATISTICS SERVICE

# Operational Monitoring of US Croplands with Landsat 8

**David M. Johnson**

Landsat Science Team Launch Meeting  
February 12, 2013 Buellton, CA





# NASS Plans for Landsat 8 Data

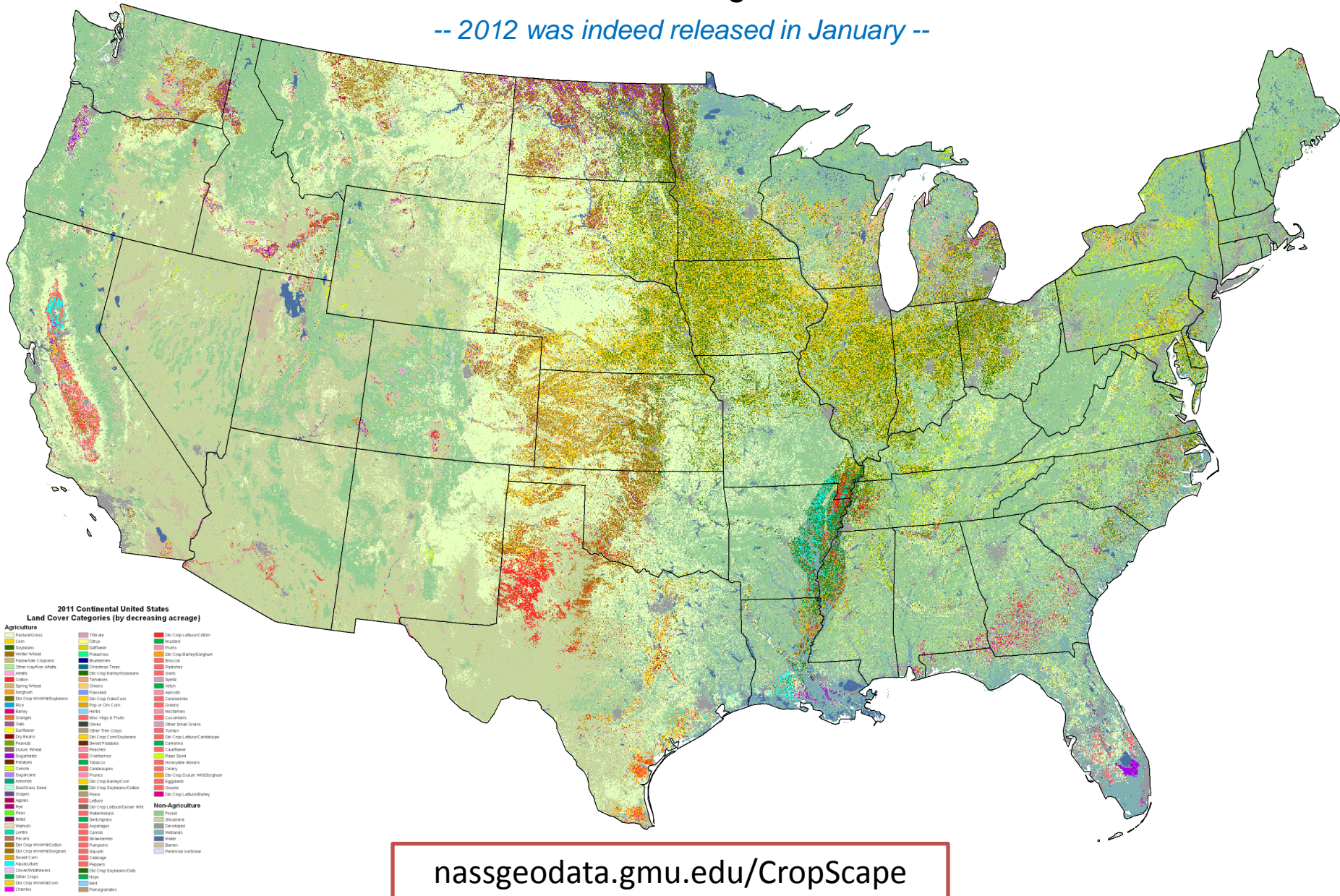
- use in CDL creation and crop acreage estimation
- agricultural disaster monitoring
- timeliness, acquisition simplicity, and ease of use
- ability of the new OLI and TIRS bands to improve crop type discrimination
- utility of the panchromatic band for land cover classification at 15 meters
- integration and/or comparison with other Landsat-like data sources (DMC, IRS)
- capacity to assess crop progress, condition and yield through temporal analysis
- comparison of near-time, nadir versus off-nadir collects over the same area.



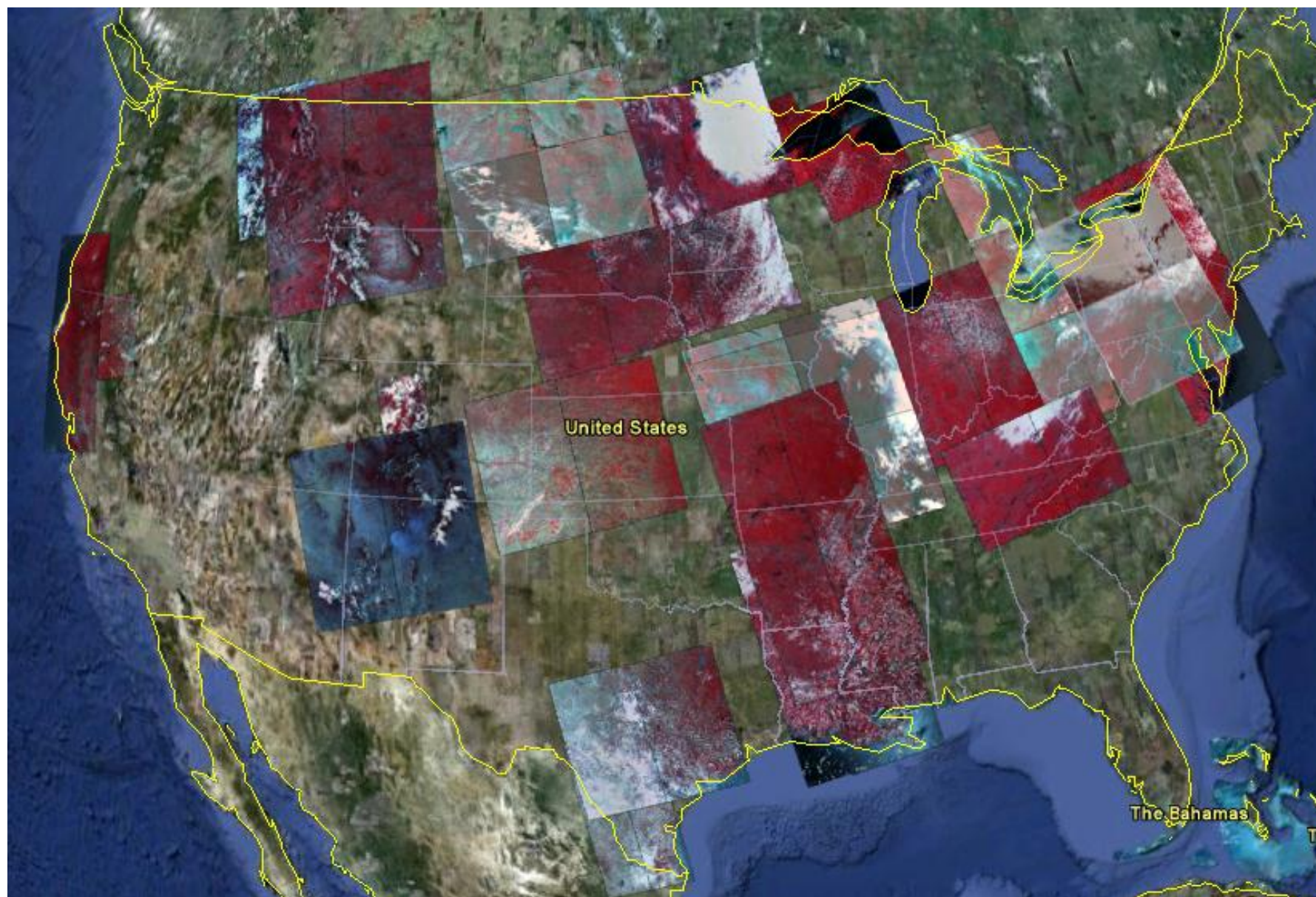
# Cropland Data Layer

## Annual national coverage 2008 – 2012

-- 2012 was indeed released in January --





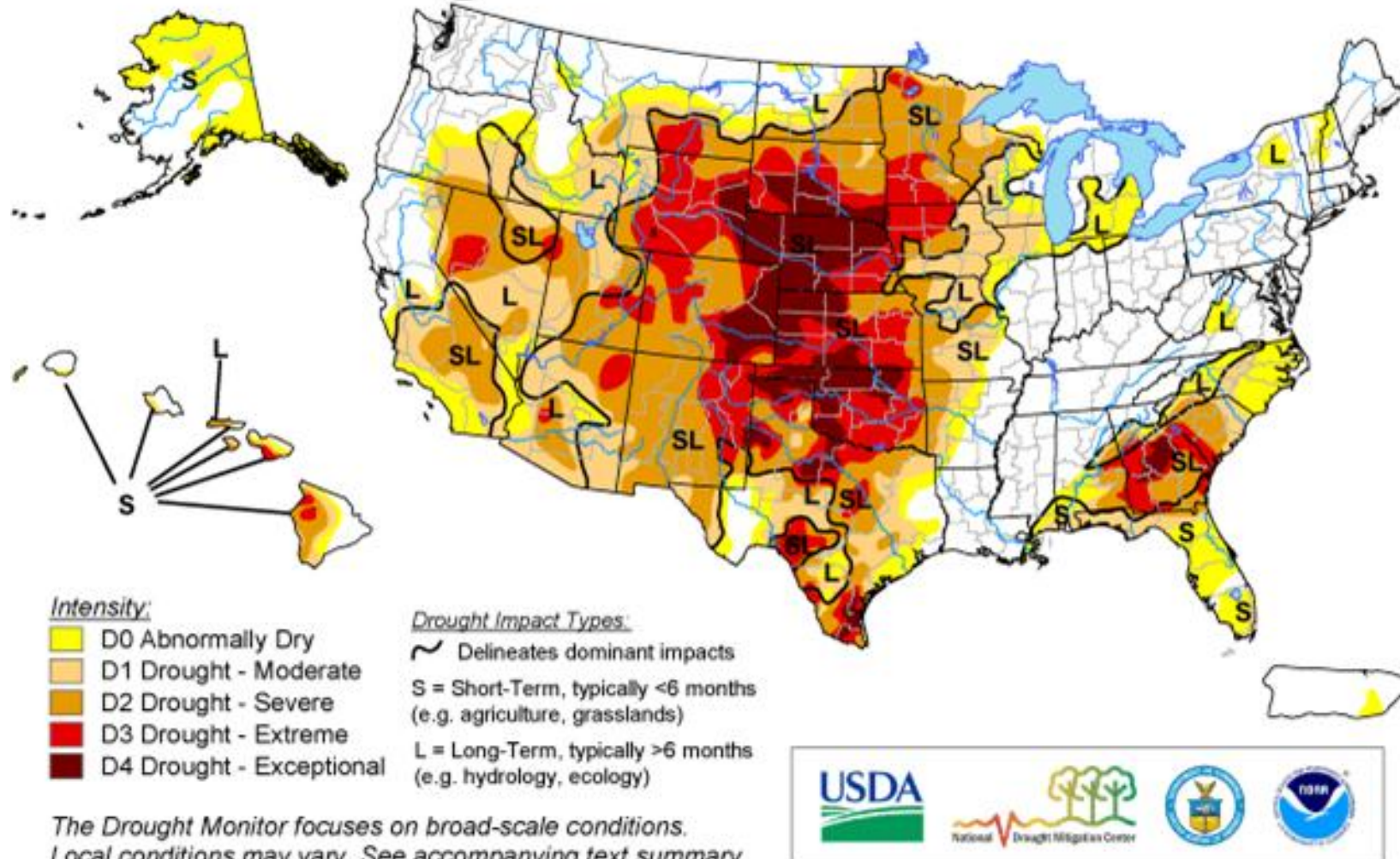




# U.S. Drought Monitor

February 5, 2013

Valid 7 a.m. EST



Released Thursday, February 7, 2013

Author: Michael Brewer/L. Love-Brotak, NOAA/NESDIS/NCDC

<http://droughtmonitor.unl.edu/>

Thanks

